Date: May 1997

To: D. A. Isom

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Document No.: DOE/RL-88-21

[2 REVISIONS]

Title: HANFORD FACILITY DANGEROUS WASTE PART A PERMIT

APPLICATION

MSIN: H6-08

Revision Release No.: Revision 17

		l.	Remov	ө	Insert				
	Section Number and Title	Page(s)	Rev.	Date	Page(s)	Rev.	Date		
	v	olume 1			·	· .	· · · · · · · · · · · · · · · · · · ·		
Contents		1-3	16	10/96	1-3	17	05/97		
2.0	Resource Conservation and Recovery Act Permitting Status	1-6	16	10/96	1-6	17	05/97		
4.1.2.1	1301-N Liquid Waste Disposal Facility	1-7	5	07/21/95	1-7	7	02/25/97		
4.1.2.2	1325-N Liquid Waste Disposal Facility	1-7	5	07/21/97	1-7	7	02/25/97		
4.2.1.9	222-S Laboratory Complex	1-16	4	10/01/96	1-20	5	03/04/97		
	V	olume 2				<u> </u>			
Contents		1-3	16	10/96	1-3	17	05/97		
4.2.3.1	Low-Level Burial Grounds	1-21	8	10/01/96	1-25	9	03/04/97		
	v	olume 3					<u> </u>		
Contents		1-3	16	10/96	1-3	17	05/97		
4.5.2.1	616 Nonradioactive Dangerous Waste Storage Facility	1-14	6	10/01/96	1-14	7	03/04/97		



Please update your n	nanual with the	attached pages,	sign, date,	and return this sheet.	If you no longer	require the document.	please
return the document	with this shee	t, to the address	below.			•	F

Name:

DA 150m

Date: 5/31/97

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Name:

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Date: 5/21/97

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

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2.0 PERMITTING STATUS FOR DANGEROUS WASTE TREATMENT, STORAGE, AND/OR DISPOSAL UNITS

This section contains a permitting status table and an explanation of the contents of the table.

PERMITTING STATUS TABLE

UNIT	CO-OP	AREA	PERMIT	UNIT	P	ART A		DADT D	CI OCUDE	DC:-	DATE		
	CO-OF	AREA	PERMI	TYPE	INITIAL	LATEST	REV	PART B	CLOSURE	REV	CLOSED	COMMENT	CLASS
1324-N SURFACE IMPOUNDMENT	BHI	100	A/C	Т	08/01/86	06/30/94	3	11/01/86		0		С	М
105-DR SODIUM FIRE FACILITY	FDH	100	A/C	TS	11/01/85	10/01/96	3	11/01/85	03/95	2		С	M
1706-KE WASTE TREATMENT SYSTEM	FDH	100	A	TS	08/01/86	10/01/96	3	04/01/87		0		P/C	M
183-H SOLAR EVAPORATION BASINS	BHI	100	A/PC	TS	11/01/85	06/30/94	4		06/30/94	4		С	M
1301-N LIQUID WASTE DISPOSAL FACILITY	BHI	100	A/C	D	08/01/86	02/25/97	7		04/01/87	0		С	M
1325-N LIQUID WASTE DISPOSAL FACILITY	BHI	100	A/C	Đ	02/01/87	02/25/97	7		06/01/87	0		С	M
1324-NA PERCOLATION POND	BHI	100	A/C	TD	08/01/86	06/30/94	3		04/24/87	0		С	М
100-D PONDS	BHI	100	A/C	TD	08/01/86	06/30/94	4		03/01/93	0		С	D
221-T CONTAINMENT SYSTEMS TEST FACILITY	FDH	200W	A	1	11/01/85	10/01/96	3	11/01/85		0		P/C	D
200 WEST AREA ASH PIT DEMOLITION SITE	WHC	2004	A/C	7	11/01/85	11/04/94	4	11/01/85	10/06/94	1	10/26/95	CL	D
218-E-8 BORROW PIT DEMOLITION SITE	WHC	200E	A/C	Ť	11/01/85	11/04/94	4	11/01/85	10/21/94	1	10/26/95	cr cr	Ð
242-A EVAPORATOR	FDH	200E	A/B	TS	09/01/87	10/01/96	7	04/13/93	M-000-0000-0000000-00	100100000000	*******************	A	M
GROUT TREATMENT FACILITY	FDH	200E	A/B	TSD	09/01/87	10/01/96	5	07/24/92		2		s	М
T PLANT COMPLEX	FDH	200W	A/B	TS	12/01/87	10/01/96	6	12/19/95		0		А	М
241-Z TREATMENT AND STORAGE TANKS	FDH	200W	A/C	TS	12/01/87	10/01/96	4		12/31/96	0		A,C	М
B PLANT COMPLEX	FDH	200E	A/B	TS	12/01/87	10/01/96	5					A	М
222-S LABORATORY COMPLEX	FDH	200W	A/B	TS	10/01/96	03/04/97	5	12/21/91		0		A	М
204-AR WASTE UNLOADING STATION	FDH	200E	A/B	7	12/01/87	10/01/96	4					A	М
PUREX PLANT	FDH	200E	A/C	TS	12/01/87	10/01/96	8					A,C	M
HANFORD WASTE VITRIFICATION PLANT	FDH	200E	A/B	TS	05/01/88	10/01/96	5	10/01/91		2		s	M
200 AREA EFFLUENT TREATMENT FACILITY	FDH	200E	A/B	TS	06/26/91	10/01/96	2	08/31/93		0		A	М
WASTE RECEIVING AND PROCESSING 1	FDH	200w	A/B	τs	01/25/95	10/01/96	1	10/31/91		0		A	M
2727-S STORAGE FACILITY	WHC	200V	A/C	5	11/01/85	11/16/87	2		10/07/92	3 A ()6/27 / 95	CL	D
DOUBLE-SHELL TANK System	FDH	200EW	A/B	TS	09/01/87	10/01/96	8	06/28/91		0		A	M
HEXONE STORAGE AND TREATMENT FACILITY	BHI	200W	A/C	TS	12/01/87	06/30/94	3		11/24/92	0		С	М

PERMITTING STATUS TABLE

4.04				UNIT	P	ART A					DATE		
UNIT	CO-OP	AREA	PERMIT	TYPE	INITIAL	LATEST	REV	PART B	CLOSURE	REV	CLOSED	COMMENT	CLASS
2727-WA SRE SODIUM STORAGE BUILDING	FDH	200W	A	s	12/01/87	10/01/96	1					P/C	М
PUREX STORAGE TUNNELS	FDH	200E	A/B	s	12/01/87	10/01/96	5	07/26/96		3		A	ĸ
224-T TRANSURANIC WASTE STORAGE AND ASSAY FACILITY	FDH	200W	A/B	S	12/01/87	10/01/96	6	06/30/92		0		A	M
CENTRAL WASTE	FDH	200W	A/B	TS	05/01/88	10/01/96	4	10/31/91		0		A	М
SINGLE-SHELL TANK SYSTEM	FDH	200W	A/C	TS	02/01/88	10/01/96	4		09/30/89	Dra ft		A,C	М
207-A SOUTH RETENTION BASIN	FDH	200E	A/C	s	02/26/90	10/01/96	2					С	M
LIQUID EFFLUENT RETENTION FACILITY	FDH	200E	A/B	s	02/26/90	10/01/96	5	06/26/91		0		A	М
241-CX TANK SYSTEM	ВНІ	200E	A/C	S	07/10/90	06/30/94	3					С	М
LOW-LEVEL BURIAL GROUNDS	FDH	500EM	A/B	D	10/01/96	03/04/97	9	12/29/89		0		A	M
216-S-10 POND AND DITCH	BHI	200₩	A/C	D	02/01/87	06/30/94	3		06/01/87	0		C	M
2101-M POND	WHC	200E	N/C	D	08/01/86	11/16/87	Z		07/01/94	2 A	10/26/95	CL	D
216-A-29 DITCH	BHI	200E	A/C	TD	08/01/86	06/30/94	3	000.00000000000000000000000000000000000	04/01/87	0		C	M
216-B-3 MAIN POND	Вні	200E	A/C	TD	08/01/86	06/30/94	5					C	м
216-B-63 TRENCH	FDH	200E	A/C	TD	08/01/86	10/01/96	3		04/01/87	0		С	M
216-A-10 CRIB	ВНІ	200E	A/C	D	08/01/87	06/30/94	3					С	М
216-U-12 CRIB	BHI	200W	A/C	D	08/01/87	06/30/94	3					С	М
216-A-36B CRIB	ВНІ	200E	A/C	D	02/01/88	06/30/94	1		02/01/88	0		С	М
216-A-37-1 CRIB	BHI	200E	A/C	D	02/26/90	06/30/94	2					С	М
216-8-3 EXPANSION PONDS	WHC	200E	A/C	TD	12/16/93	12/16/93	0		10/31/94	2	06/27/95	CL	Ŋ
3718-F ALKALI METAL TREATMENT AND STORAGE AREA	FDH	300	A/C	TS	11/01/85	10/01/96	4	11/06/85	11/20/95	2		С	M
324 PILOT PLANT	PNNL	300	A	T	11/01/85	05/19/88	3	11/01/85		0		P/C	М
304 CONCRETION FACILITY 300 AREA SOLVENT	WHC WHC	300 300	A/C A/C	75 75	08/01/86 11/01/85	06/21/90 03/27/90			11/30/93 09/24/92		11/30/95 06/27/95	ci ci	H
EVAPORATOR 300 AREA WASTE ACID TREATMENT SYSTEM	FDH	300	A/C	TS	09/01/87	10/01/96	5		03/96			С	M
303-M OXIDE FACILITY	FDH	300	A/C	T	05/01/88	10/01/96	1					С	М
325 HAZARDOUS WASTE TREATMENT UNITS	PNNL	300	A/B	TS	05/01/88	12/02/94	3	06/24/92		0		A	M

PERMITTING STATUS TABLE

116477	50 AD	4554	05044.5	UNIT	P.	ART A		54== B			DATE		
UNIT	CO-OP	AREA	PERMIT	TYPE	INITIAL	LATEST	REV	PART B	CLOSURE	REV	CLOSED	COMMENT	CLASS
BIOLOGICAL TREATMENT TEST FACILITIES	PNNL	300	Α	T	05/01/88	05/19/88	0					P/C	М
PHYSICAL & CHEMICAL TREATMENT TEST FACILITIES	PANL	300	A	TS	05/01/88	06/14/91	1				05/13/96	P/C	H
THERMAL TREATMENT TEST FACILITIES	PHAL	300	A	T	05/01/88	05/19/88	0				05/13/96	PAC	Ħ
311 TANKS (INCORPORATED INTO 300 AREA WASTE ACID TREATMENT SYSTEM, REV. 3)	WHC	300											
303-K STORAGE UNIT	FDH	300	A/C	s	08/01/87	10/01/96	5		12/17/93	2		C	М
305-B STORAGE FACILITY	PNNL	300	A/B	s	05/01/88	12/20/90	1	04/03/92		2		A	М
332 STORAGE FACILITY	PNNL	300	A	s	05/01/88	05/19/88	0					P/C	М
300 AREA PROCESS Trenches	BHI	300	A/PC	D	11/01/85	05/25/95	4		05/25/95	4		С	M
437-MASF	FDH	400	A	T	11/01/85	10/01/96	3	11/01/85		0		A	М
4843 ALKALI METAL STORAGE FACILITY	FDH	400	A/C	s	09/01/87	10/01/96	3		09/95	1		С	M
SODIUM STORAGE FACILITY AND SODIUM REACTION FACILITY	FDH	400	A/B	TS	05/01/95	10/01/96	1					A	М
HANFORD PATROL ACADEMY DEMOLITION SITES	LINC	600	A/C	Ŧ	11/01/65	12/15/94	4	11/01/85	12/15/94	1	10/26/95	CT	D
616 NONRADIOACTIVE DANGEROUS WASTE STORAGE FACILITY	FDH	600	A/B	S	10/01/96	03/04/97	7	10/31/91	***************************************	2		A	D
600 AREA PURGEWATER STORAGE AND TREATMENT FACILITY	FDH	600	A/B	TS	02/20/90	10/01/96	2					A	М
NONRADIOACTIVE DANGEROUS WASTE LANDFILL	BHI	600	A/C	D	11/01/85	06/30/94	4	11/06/85	09/30/90	0		С	D
SINULATED HIGH- LEVEL WASTE SLURRY TREATMENT/STORAGE	PHNL	3000	A/C	1s	05/01/88	08/12/94	2		11/07/94	6 A	09/06/95	ĊŁ.	H

EXPLANATION OF PERMITTING STATUS TABLE

UNIT Name of treatment, storage, and/or disposal (TSD) unit that is designated for permitting as part of the Hanford Facility (EPA/State Identification Number WA7890008967).

CO-OP Co-operator with the U.S. Department of Energy, Richland Operations Office:

BHI -- Bechtel Hanford, Inc.

FDH -- Fluor Daniel Hanford, Inc. PNNL -- Pacific Northwest Laboratory.

WHC -- Westinghouse Hanford Company.

AREA The area of the Hanford Facility in which the unit is located:

100 -- 100 Area

200E -- 200 East Area

200W -- 200 West Area

200EW -- Parts of a TSD unit are located in both the 200 East and the 200 West Areas

300 -- 300 Area

400 -- 400 Area

500 -- Unused designation

600 -- 600 Area

3000 -- 3000 Area

PERMIT Type of permit application that is required to obtain the desired type of permit:

A -- Part A

B -- Part B

C -- Closure plan

PC -- Postclosure plan.

UNIT TYPE T -- Treatment

S -- Storage

D -- Disposal.

EXPLANATION OF PERMITTING STATUS TABLE (cont)

INITIAL Date the initial Part A permit application was submitted to the Washington State Department of Ecology:

.

08/01/88 -- month/day/year.

LATEST Date the latest Part A permit application was submitted to the Washington State Department of Ecology:

REV Last revision of the Part A permit application.

PART B Date the last Part B permit application was submitted to the Washington State Department of Ecology:

08/01/88 -- month/day/year.

CLOSURE Date the last closure or postclosure plan permit application was submitted to the Washington State Department of Ecology:

08/01/88 -- month/day/year.

REV Revision of Part B or closure plan.

COMMENTS A Active TSD unit.

C TSD unit closing under interim status.

CL Unit is closed.

S Standby.

P/C Procedural closure.

CLASS M Mixed waste TSD unit.

D Dangerous waste TSD unit.

Please print or type in the unshaded areas only (fill-in areas are apaced for alles type, i.e., 12 character/inch).

FORM	4	Τ				-												1. EPA/	STATE I.D	. N	MB	R		
3				DAN	GERC	OUS WAS	T	ΕI	PE	RN	117	Γ,	ΑP	ΡĮ	.iC	C/	ATION	WA	7 8 9	0 0	0	8	9 6	D
		-		JSE ONLY																				
APPL		TIC VEC	N	MOLDEY & W.	Ţ										(COI	VIMENTS							$\neg \neg$
W. FVR	ST	OF	RI	VISED APPLICATION	N N				_					_		_				_	_			
Piace a applica	in tio	X.	in If t	the appropriate box his is your first appl ection I above,	in A or B ication an	below (mark one d you already kn	bo:	kom. K oup	y) to	indic ity's	EPA	/ST	ATE	thi	Ņu	th	ofirst application you are seen, or if this is a revised ap	bmitting liestion,	for your fa enter your	fac	y or	ĒΡ	vised A/ST/	ITE
		_		ICATION (place en	"Y" balay	r and provide the	200	VD CV		de to I				_										
				EXISTING FACILITY	/See Inst		• •	-			fac	ili ty	٠.				2. NEW FAC	ILITY /Ca	mpiete itei	m be	No W	ı		ĺ
	MO. DAY YR. *FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, a yr.) O 3 2 2 4 3 (use the bases to the last) The date construction of the Hanford Facility commenced The date construction of the Hanford Facility commenced The date construction of the Hanford Facility commenced																							
	*The date construction of the Hanford Facility commenced.																							
B. RE	REVISED APPLICATION (place on "X" below and complete Section (above)																							
111	I PROCESSES - CODES AND CAPACITIES																							
	II. PROCESSES - CODES AND CAPACITIES A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering																							
OQ4	A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the codes in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the (Section III-C).																							
B. PR	process (including its design capecity) in the space provided on the (Section III-C). PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.																							
1	PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process. 1. AMOUNT - Enter the amount.																							
2. 1	AMOUNT - Enter the amount. 2. UNIT OF MEASURE - For each amount entered in column 8(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.																							
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III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "TO4"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

D81

The 1301-N Liquid Waste Disposal Facility (LWDF) was used from 1963 to September 1985. The LWDF received mixed process and cooling waste water from N Reactor. The LWDF also received dangerous waste generated from laboratories, and may have received waste from spills within the N Reactor Building, which were discharged through the mixed waste drain system. The dangerous waste discharges consisted of less than 0.002% of the total volume of the waste discharged to the LWDF. The 1301-N LWDF was a percolation unit designed for the disposal of liquid waste through the soil column. The process design capacity for the LWDF was 16,352,900 liters (4,320,000 gallons) a day. The process design capacity reflects the maximum volume of water discharged on a daily basis rather than the physical capacity of the unit. The influent pipes up to the face of the 105-N building facility are considered to be included within the treatment, storage, and disposal unit boundary.

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER Enter the four digit number from Chapter 173-303 WAC for each fixted dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic conteminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column 8 enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE	CODE
POUNDS P	KILOGRAMS	K

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste,

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: [1] Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line,
- 3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV Ishown in line numbers X-1, X-2, X-3, and X-4 below! - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and dispose will be in a landfill.

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X-3	D	0	0			100	\prod	P		7	0	3	ام	8	0		T	7	<u> </u>	1	
X-4	D	0	0	2	?		\prod		j	T	οÌ	3	ام	8	0	1	T	7	1	1	included with above

DOE/RL-88-21 1301-N Liquid Waste Disposal Facility Rev. 7, 02/25/97 Page 3 of 7

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

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Continued from the front.

USE THIS SPACE TO LIST ADDITIONAL PROCESS CODE		
	FROM SECTION D(1) ON PAGE 3.	
The 1301-N LWDF was used for consisted of waste from nonspecif waste (D006, D007, D008, and D0 waste (WC02), and state-only to:	fic sources and listed waste (1 009), characteristic waste (1	F003), toxicity characteristic
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. FACILITY DRAWING All existing facilities must include in the space provided on p	ance 5 a scale demains of the facility fees in-twenties	for more dateill
All exercising recorded invest include in the space provided on p	sele a single distanti di me lecuti (100 ampigCOS).	- 197 mare geren.
VI. PHOLIDGRAPHS All existing facilities must include photographs (serial or grous) sites of future storage, treatment or diseasel scans (see insti-	und-level) that clearly delineate all existing structures	; existing storage, treatment and disposal areas; and
	s information is provided on the at	tached drawings and photos.
LATITUDE (degrees, minutes, & second		ITUDE (degrees, minutes, & seconds)
VIII. FACILITY OWNER	<u> </u>	
x A. If the facility owner is also the facility operator as list	ed in Section VII on Form 1, "General information".	place on "X" in the box to the left and skip to Section IX
X A. If the facility owner is also the facility operator as list below.	ed in Section Vil on Form 1, "General information", p	place on "X" in the box to the left and skip to Section IX
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X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information. I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Owner//Operator

John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office

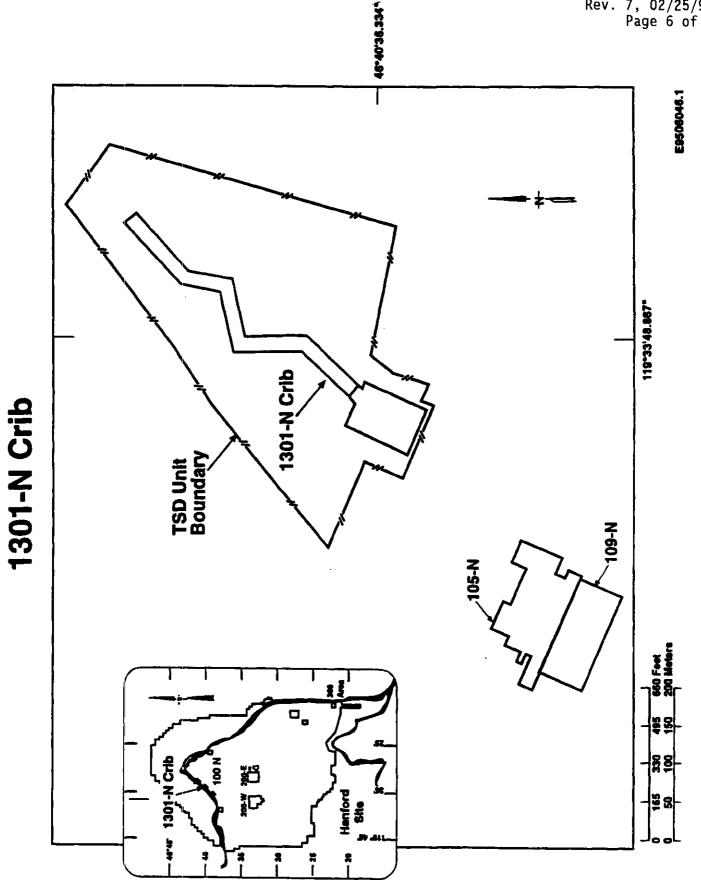
Co-operator

R. Michael Little, President

Bechtel Hanford, Inc.

Date

Date:



1301-N LIQUID WASTE DISPOSAL FACILITY



CRIB OUTFALL 8605087-8CN



TRENCH CONCRETE COVER

46°40'36.334" 119°33'48.867"

8605087-15CN (PHOTOS TAKEN 1986) Please print or type in the unshaded areas only [fill-in areas are special for elite type, i.e., 12 character/inch).

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III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "TO4"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

D81

The 1301-N Liquid Waste Disposal Facility (LWDF) was used from 1963 to September 1985. The LWDF received mixed process and cooling waste water from N Reactor. The LWDF also received dangerous waste generated from laboratories, and may have received waste from spills within the N Reactor Building, which were discharged through the mixed waste drain system. The dangerous waste discharges consisted of less than 0.002% of the total volume of the waste discharged to the LWDF. The 1301-N LWDF was a percolation unit designed for the disposal of liquid waste through the soil column. The process design capacity for the LWDF was 16,352,900 liters (4,320,000 gallons) a day. The process design capacity reflects the maximum volume of water discharged on a daily basis rather than the physical capacity of the unit. The influent pipes up to the face of the 105-N building facility are considered to be included within the treatment, storage, and disposal unit boundary.

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which pessees that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE CODE
	
POUNDSP	KILOGRAMS
TONS T	METRIC TONS,

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(a) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: {1} Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form,

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- 1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entres on that line.
- 3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tenning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a lendfill.

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DOE/RL-88-21 1325-N Liquid Waste Disposal Facility Rev. 7, 02/25/97 Page 3 of 7

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IV. DESCRIPTION OF DANGEROUS WASTES (continued)				
E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES	FROM SECTION D(1) O	N PAGE 3.		
The 1325-N LWDF was used for consisted of waste from nonspecif waste (D006, D008, and D009), (WC02), and state-only toxic was	ic sources and characteristic	listed waste ((F003), toxicity ch	aracteristic
V. FACILITY DRAWING All existing facilities must include in the space provided on p.	na 6 a code demains of	the traility (see in the second	a for more details	
VI. PHOTOGRAPHS	age o a scale drawing or	the facility isse instruction	is for more detail).	
All existing facilities must include photographs leerial or grousites of future storage, treatment or disposal areas (see instru	nd-levell that clearly deli-	reate all existing structure	s; existing storage, treatment and	disposal areas; and
			ttached drawings and	
LATITUDE (degrees, minutes, & second.			SITUDE (degrees, minutes, & seco	
				//47
VIII. FACILITY OWNER		 		
A. If the facility owner is also the facility operator as liste below.	d in Section VII on Form	1, "General Information",	place an "X" in the box to the left	t and skip to Section IX
	ر مسیور در مصدر			
B. If the facility owner is not the facility operator as listed	I in Section VII on Form	I, complete the following i	tems;	
1. NAME OF F	ACILITY'S LEGAL OWNE	R	2. PHON	E NO. (area code & no.)
		, , , , , , , , , , , , , , , , , , , 		
	- <u> </u>			<u> </u>
3, STREET OR P.O. BOX		+ CITY OF TOWN		6. ZIP CODE
				
IX. OWNER CERTIFICATION				
I certify under penalty of law that I have personally examined inquiry of those individuals immediately responsible for obtain there are significant penalties for submitting false information,	ing the information, I beli	eve that the submitted info	his and all attached documents, a primation is true, accurate, and col	nd that based on my mplate. I am aware that
NAME (print or type)	SIGNATURE	/	DATE SIGNED	
John D. Wagoner, Manager U.S. Department of Energy	14H2. 11/	Dagon	12/5~/	<i>a</i>
Richland Operations Office	Jour K.	~ ~you	~ 1407/	77
X. OPERATOR CERTIFICATION				
l certify under penalty of law that I have personelly exemined inquiry of those individuals immediately responsible for obtains there are significant penalties for submitting false information,	ing the information. I beli	eve that the submitted infi	his and all attached documents, a ormation is true, accurate, and col	nd that based on my mplate. I am aware that
NAME (print or type)	SIGNATURE	······································	DATE SIGNED	
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X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information. I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

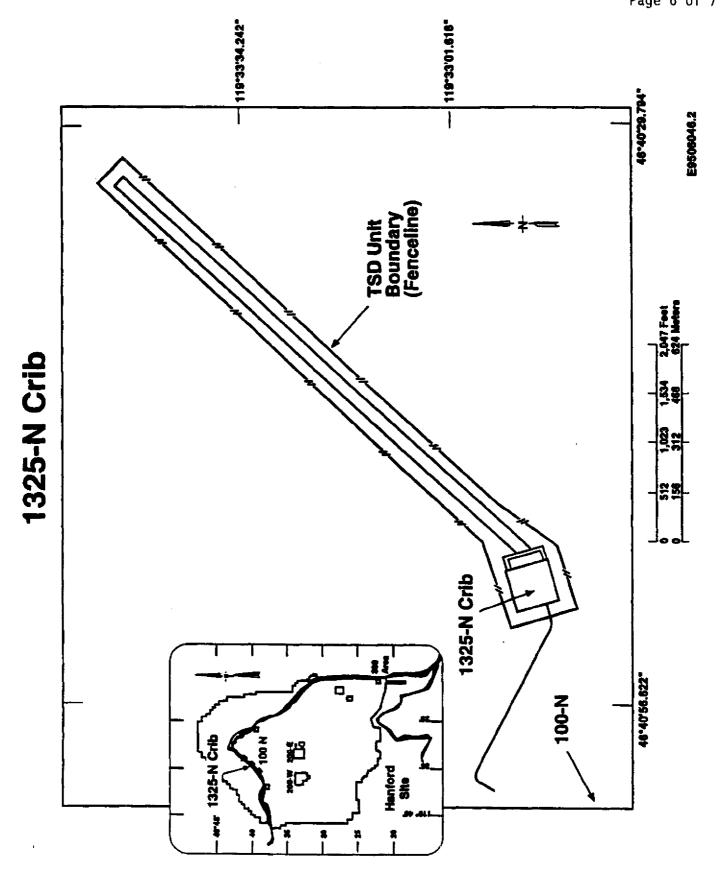
Owner/Operator

John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office

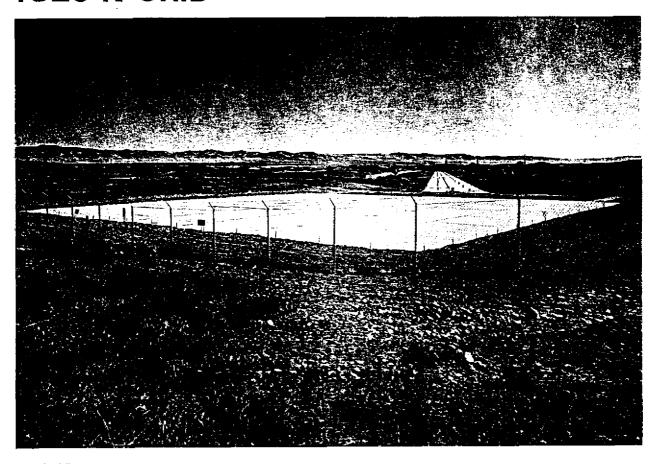
Co-operator

R. Michael Little, President Bechtel Hanford, Inc.

Date



1325-N CRIB



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111	PONCESSES	(nontinued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "TO4"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

Refer to following page

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic conteminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE COL
POUNDS	KILOGRAMS

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the weste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous weste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section (II to indicate-how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the epace provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- 1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- 2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tenning and finishing operation. In addition, the facility will treat and dispose of three non-listed westes. Two wastes are corrosive only and there will be an astimated 200 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

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FORM 3 DANGEROUS WASTE PERMIT APPLICATION U.S. ENVIRONMENTAL PROTECTION AGENCY/STATE IDENTIFICATION NUMBER WA7890008967

Section III.C., Description of Process Codes Listed in Section III.A.

The 222-S Laboratory Complex (222-S) is located in the 200 West Area of the Hanford Facility and began waste management operations in June of 1951. The 222-S consists of three waste management units, 219-S Waste Handling Facility, 222-S Dangerous and Mixed Waste Storage Area, and Room 2-B. The 222-S waste management units receive and manage various waste types from onsite generating and/or treatment, storage, and/or disposal units, and offsite generators.

SO2, TO1 - The 219-S Waste Handling Facility is located northeast of the 222-S Analytical Laboratory Building. The 219-S Waste Handling Facility contains four stainless steel tanks: Tanks 101 [15,000 liters (4,000 gallons)], 102 [15,000 liters (4,000 gallons)], 103 [6,000 liters (1,500 gallons)], and 104 [7,200 liters (1,900 gallons)]. These tanks are located in a belowground concrete vault (SO2). Tank 103 will be used until tank 104 is in place, at which time tank 103 will be drained and closed. Tanks 101 and 104 are used for primary and backup storage of mixed waste from the 222-S Analytical Laboratory. The mixed waste is transferred from tanks 101 and 104 to tank 102 for treatment (TO1) and storage before transfer to the Double-Shell Tank (DST) System. The mixed waste is treated in tank 102 with sodium hydroxide (NaOH) to a pH greater than or equal to 12.0 and with sodium nitrite (NaNO2) to a concentration of 600 parts per million. This treatment process makes the mixed waste more amenable for storage in the DST System. The maximum process design capacity for tank storage for tanks 101, 102, and 104 is 37,200 liters (9,827 gallons). The maximum process design capacity for tank treatment for tank 102 is 780 liters (206 gallons) per day [284,000 liters (75,000 gallons) per year].

<u>SO1</u> - The 222-S Dangerous and Mixed Waste Storage Area is located on the north side of the 222-S Analytical Laboratory Building. The 222-S Dangerous and Mixed Waste Storage Area consists of two metal storage structures resting on a concrete pad. The 222-S Dangerous and Mixed Waste Storage Area stores various-sized approved containers or other approved packages and overpacks of mixed waste and nonradioactive dangerous waste (SO1). The containers are stored at the 222-S Dangerous and Mixed Waste Storage Area until transferred to an onsite treatment, storage, and/or disposal (TSD) unit or offsite TSD facility. The maximum process design capacity for container storage in the 222-S Dangerous and Mixed Waste Storage Area is 3,700 liters (977 gallons) [57 liters (15 gallons) of liquids per container].

A portion of Room 2-B, located within the 222-S Analytical Laboratory Building, provides for container storage of liquid mixed waste to be transferred to the 219-S Waste Handling Facility. The maximum process design capacity for container storage in Room 2-B is 2,500 liters (660 gallons).

The total container storage process design capacity for the 222-S Laboratory Complex is 6,200 liters (1,637 gallons).

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Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 westes to list. LD. NUMBER lentered from page 1) WA7890008967 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES N DANGEROUS N O WASTE NO. C. UNIT OF MEA-SURE (enter code) B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES 2. PROCESS DESCRIPTION (If a code is not entered in D(1)) (enter code) |D|O|O|1 Storage - Tank/Treatment - Tank 283,955 through 000111 0018 D 0 1 9 0 0 2 2 7 0 0 2 8 through D 0 3 0 10 D | 0 | 3 | 3 T^{T} through 12 D036 13 003 8 14 through D 0 4 15 1 D 0 4 3 \top PO 17 1 TI WP 0 2 18 W T√O 1 TO 2 21 Flolo 1 22 through |F|0|0|5 Included With Above |F|0|3|9 24 25 $\tau \tau$ 28

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Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 wastes to list. I.D. NUMBER (entered from page 1) WA7890008967 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE (enter A. DANGEROUS WASTE NO. NO B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) (enter code) codel ١ U 0 4 Storage - Container (Continued) through 3 U 0 5 3 au4 0 5 5 through 6 U | O | 6 | 4 7 U 0 6 6 through 8 U 0 9 9 9 10 1 0 1 through 12 U 1 0 3 13 5 1 0 Ithrough 15 1 9 4 18 1 9 б 1 9 7 \Box 16 2000 through 20 2 2 3 21 2 2 5 22 through 23 |2|2|8 24 2 3 2 through 25 T^{T} П 26

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Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 westes to list. LD. NUMBER (entered from page 1) WA7890008887 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE (enter code) N DANGEROUS O WASTE NO. B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) lenter codel П K U 2 <u>\$01</u> Storage - Container (Continued) through U 2 4 9 (U | 3 | 2 8 5 3 U | 3 5 6 (U | 3 9 7 PO 0 1 lthrough P 0 1 8 2 10 Plo 0 through T 12 P 0 2 4 13 ĺР 0 2 5 14 through P 0 3 P033 P 0 3 4 P 0 3 6 through P 0 5 1 20 TΠ 0 5 P 4 22 lР 0 5 6 lthrough \top 24 P 0 6 0 \top 25 P 0 6 2 П 26 Р 6 PAGE 3 OF 6

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TV. DESCRIPTION OF DANGEROUS WASTES (continued)											
E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODE	S FROM SECTION D(1) O	N PAGE 3.									
Mixed waste from the 222-S Labo gravity to the 219-S Waste Hand transfer to the DST System. Be liquid mixed waste from Room 2- results.	ling Facility fore transfer	for treatment and/or to the 219-S Waste Ha	storage before Indling Facility								
In the 219-S Waste Handling Fac of the presence of nitric acid treatment. Treated mixed waste characteristic waste, toxicity halogenated and nonhalogenated waste derived from nonspecific to the mixed waste for corrosio	before treatm transferred characteristi solvent waste source waste.	ent and sodium hydrox to the DST System cons c waste, state-only wa . Multi-source leach . Before transfer sod	ide following sists of aste, and spent ate is included as a								
The approved containers or othe are stored in two metal storage to an onsite TSD unit or offsit identified through process know characteristic waste, toxicity nonhalogenated solvent waste, n biphenyl waste, and state-only	e 15D facility ledge and sam charateristic onspecific so	/. The contents of th ole results. The cont waste, spent halogena	e containers are ainers hold ited and								
In Room 2-B, liquid mixed waste overpack containers are stored the 219-S Waste Handling Facili through process knowledge and/o waste, toxicity charateristic waste, and state-only waste.	within the ISI ty. The cont r sample resu) boundary of Room 2-B ents of the containers lts. The containers h	before transfer to are identified old characteristic								
V. FACILITY DRAWING Refer to attached drawing(s).	··										
All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).											
VI. PHOTOGRAPHS Refer to attached photograph(s)											
		este all avistica structuras, avistica ata									
All existing facilities must include photographs (serial or grounds state of future storage, treatment or disposal areas (see institute of disposal areas (see instit	uctions for more detaill.	THE GOVERNMENT PROCESSES, EXCELLING SEC.	rage, treatment and disposal areas; and								
VII. FACILITY GEOGRAPHIC LOCATION This information	on is provided on the	ittached drawing(s) and photograph	n(s).								
LATITUDE Idearees, minutes, & second	191	LONGITUDE (degre	es, minutes, & seconds)								
VIII. FACILITY OWNER			······································								
A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below. B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:											
	1										
	ACILITY'S LEGAL OWNE	R 1	2. PHONE NO. (area code & ne.)								
3, STREET OR P.O. BOX		4. CITY OR TOWN	5, ST. 6, ZIP CODE								
											
IX. OWNER CERTIFICATION											
certify under penelty of lew that I have personally examined and are familiar with the information submitted in this and all extended decuments, and that based on my neutry of these individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.											
NAME <i>lprint or type)</i> John D. Wagoner, Manager J.S. Department of Energy	SIGNATURE //	Dans	DATE SIGNED								
tichland Operations Office	MANAUX.U	Jagour	17/4 (4 /								
X. OPERATOR CERTIFICATION	/										
certify under penalty of lew that I have personally examined neutry of those individuals immediately responsible for obtain- there are significant penalties for submitting false information,	rand am familiar with the ing the information, I beli , including the possibility	information aubmitted in this and all atta a that the aubmitted information is tru- of fine and imprisonment.	ched documents, and that based on my e, eccurate, and complete, I am aware that								
NAME (print or type)	SIGNATURE		DATE SIGNED								

SEE ATTACHMENT

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Owner/Operator

John D. Wagoner, Manager 6.S. Department of Energy Richland Operations Office 3/4

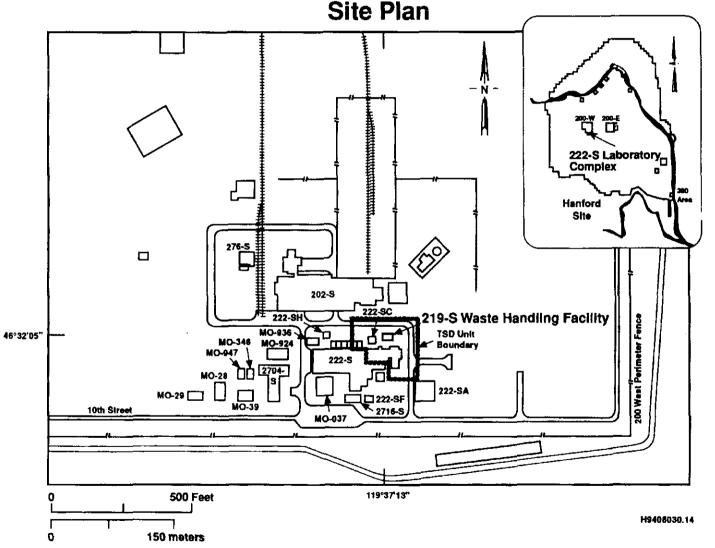
Co-opérator H. J. Hatch,

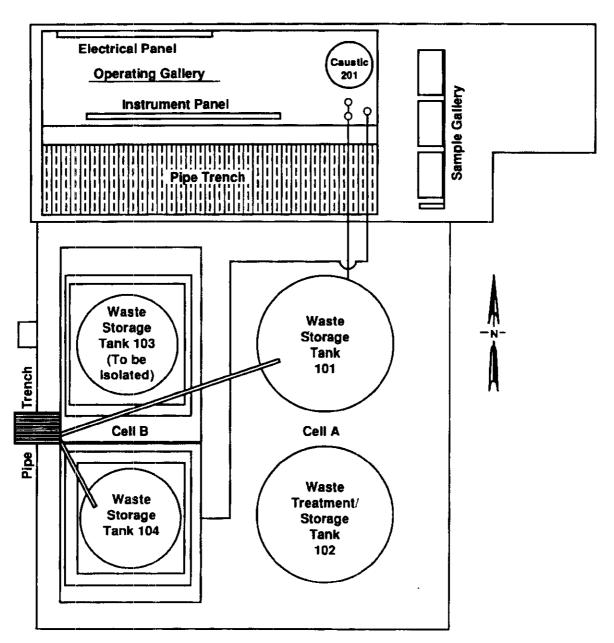
President and Chief Executive Officer

Fluor Daniel Hanford, Inc.

Dato

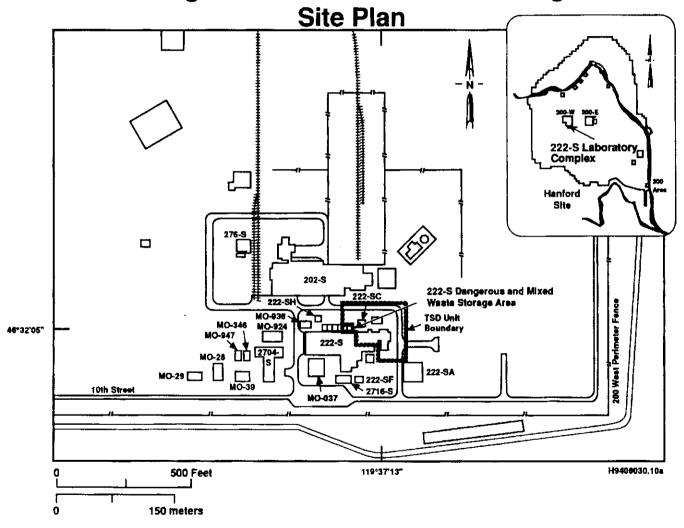
222-S Laboratory Complex
219-S Waste Handling Facility Tanks 101, 102, 103, and 104
Site Plan



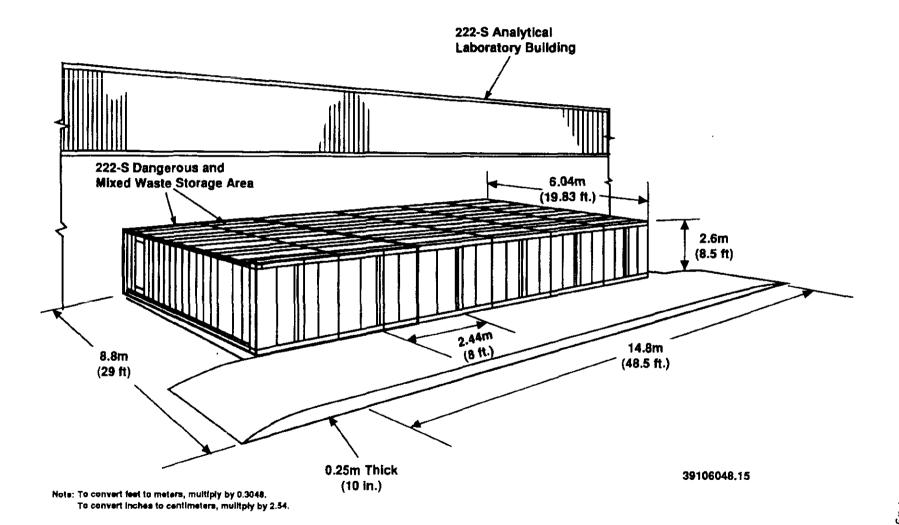


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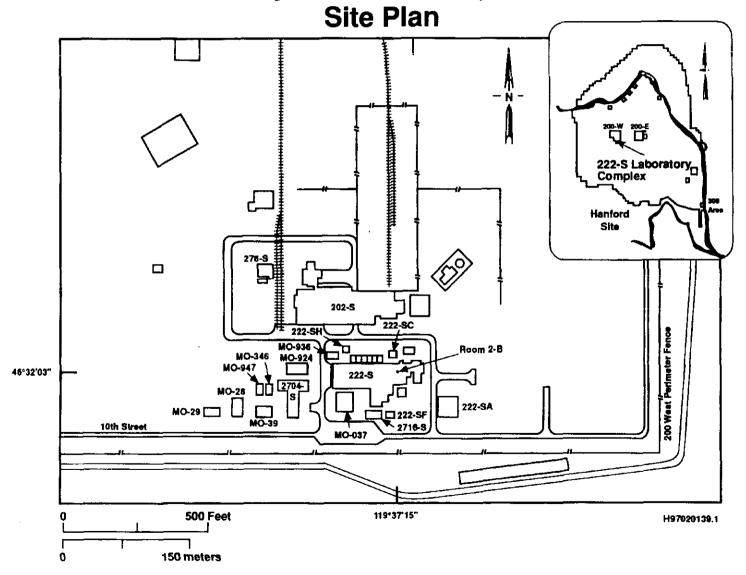
222-S Laboratory Complex 222-S Dangerous and Mixed Waste Storage Area

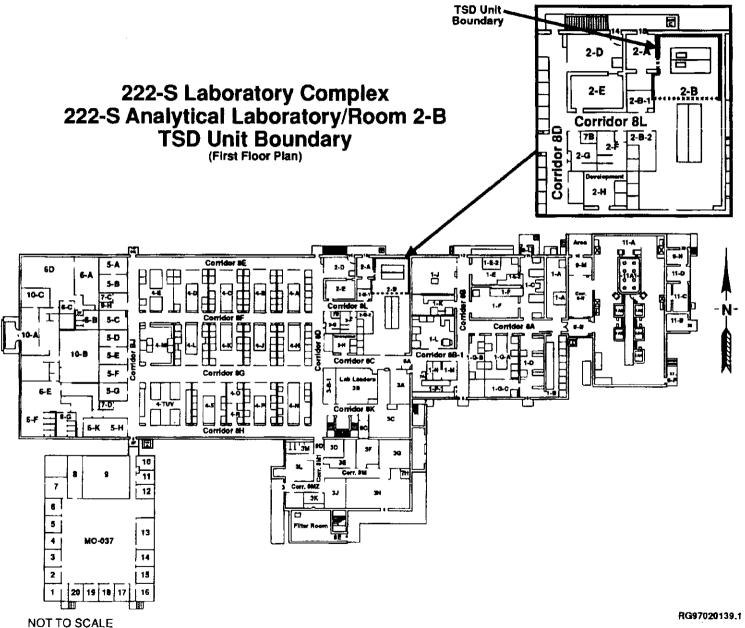


222-S Laboratory Complex

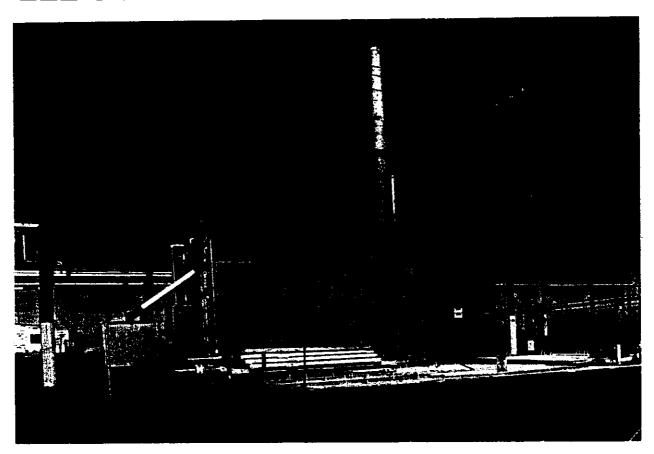


222-S Laboratory Complex 222-S Analytical Laboratory/Room 2-B





222-S LABORATORY COMPLEX

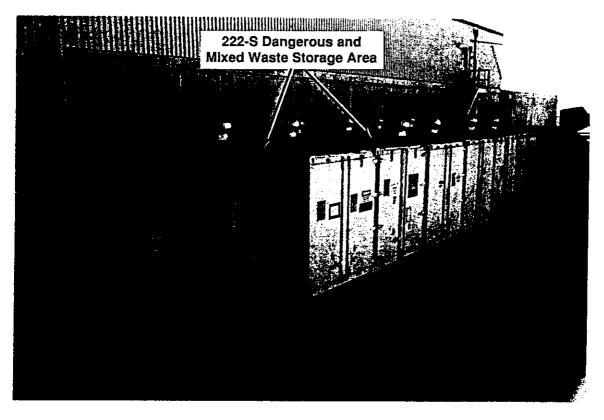


219-S WASTE HANDLING FACILITY

46°32'05" 119°37'13"

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222-S LABORATORY COMPLEX DANGEROUS AND MIXED WASTE STORAGE AREA

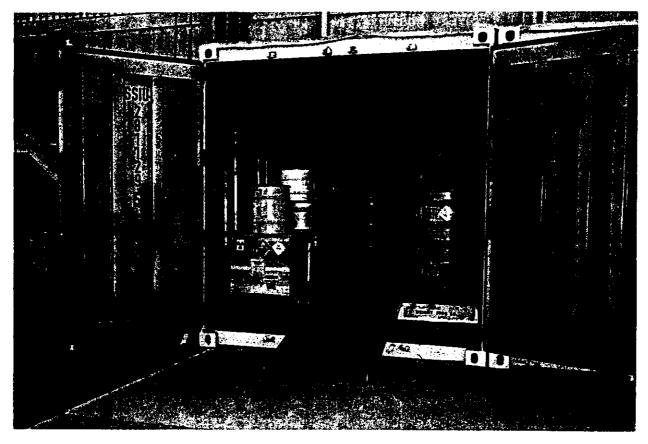


METAL STORAGE STRUCTURES ON STORAGE PAD

46°32'05" 119°37'13"

91022217-24CN (PHOTO TAKEN 1991)

222-S LABORATORY COMPLEX DANGEROUS AND MIXED WASTE STORAGE AREA



METAL STORAGE STRUCTURE INTERNAL VIEW

46°32'05" 119°37'13"

91022217-27CN (PHOTO TAKEN 1991)

222-S LABORATORY COMPLEX 222-S ANALYTICAL LABORATORY



ROOM 2-B (HOOD FOR TRANSFER OF WASTE TO 219-S WASTE HANDLING FACILITY)

46°32'03" 119°37'15"

97020243-1CN (PHOTO TAKEN 1997)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

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^{♦ =} Revised this issue.

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				EXAMPLE FOR CO	MPLETIN	G SECTION III /ai	how	in lin	e nu The	mbers facility	X-	and o has	X-2	be.	/ow): A facility has two storagestor that can burn up to 20	e tenke, gellons s	one tenk o	en				
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*10	PRACESSES	(continued)

SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "TO4"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

Refer to the following page.

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE CODE
POUNDS P	KILOGRAMS K

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four epaces are provided for entering process codes. If more are needed: {1} Enter the first three as described above; (2) Enter "000" in the extreme right box of Item (V-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION; If a code is not listed for a process that will be used, describe the process in the space provided on the form,

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- 2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

	Τ				П				_[D. PROCESSES
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\ <u>;</u>	7	١	0	0	2	400	П	7	1	7	٦	3	D	8	7,		T	Т		_	Т	
3	C	١	7	0	7	100		P		7	ر و	3	D	8	0		Ţ	Ŧ	Γ	Г	T	
X-4	C	1	0	0	2					7	o	3	D	8	٦,	Ĭ.,	Ī	Γ		_	Τ_	Included with above

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FORM 3 DANGEROUS WASTE PERMIT APPLICATION U.S. ENVIRONMENTAL PROTECTION AGENCY/STATE IDENTIFICATION NUMBER WA7890008967

Section III.C., Description of Process Codes listed in Section III.a.

D81

The Low-Level Burial Grounds (LLBG) began waste management operations in January of 1960. The LLBG comprise a landfill disposal unit (D81) and cover a total area of approximately 225 hectares (556 acres). The landfill is divided into eight burial grounds. Six burial grounds are located in the 200 West Area and two in the 200 East Area, as depicted on the attached drawings. The LLBG consist of lined and unlined trenches of various sizes and depths. All mixed waste destined for disposal in lined trenches will meet land disposal restriction requirements. The lined trenches consist of a double-liner leachate collection and removal system.

The process design capacity for mixed waste in the LLBG is 174 hectare-meters (2,275,819 cubic yards) of which 150 hectare-meters (1,961,913 cubic yards) is dedicated solely for the disposal of reactor compartment disposal packages.

S01

The greater-than-90-day container storage capability in mixed waste Trenches 31 and 34 of Burial Ground 218-W-5 provides a location to store various size containers of treated mixed waste in a Resource Conservation and Recovery Act (RCRA) compliant manner other than the Central Waste Complex. The placement of these containers in Trenches 31 and 34 eliminates the need to construct a mixed waste storage pad. This capability also reduces the need to transfer this waste prior to disposal. The process design capacity for storage of containers is estimated to be 10,000,000 liters (2,641,700 gallons).

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Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 wastes to list. I.D. NUMBER (entered from page 1) WA7890008987 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE (enter code) N DANGEROUS B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) N (enter code) D8: <u>Disposal</u> 1 DIOIOI 1 160,000,000 2 through 3 DIOI4 3 0 WIT 1 4 l٥ 2 5 WIT WP 0 1 2 7 WP 0 WIPIO 3 17 0 0 1 11. Π 10 through $\mathbf{1}$ 11 0 0 5 2 8 12 0 3 9 13 ٥ 0 0 1 15 0 0 1 16 through 17 0 1 T 18 0 1 4 19 through 20 |U|0|3 9 21 0 4 1 22 lthrough 23 lu lo 5 3 \top П 24 5 5 ulo 17 25 through 26

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Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 wastes to list. 1.D. NUMBER (entered from page 1) WA7890008967 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE /enter N DANGEROUS O WASTE NO. B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES (enter) 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) (enter code) codel <u>D8</u> Disposal (Continued) u lo l 6 l 6 1 2 through 101919 3 4 1 0 1 through 6 lu|1|0|3 7 1 0 5 through U | 1 | 7 9 10 U | 1 | 7 6 1 through Τí |U|1|9 12 9 13 lu l 1 6 U 1 9 7 15 U 2 0 0 16 through U 2 2 17 3 18 U 2 2 5 \mathbf{I} 19 through 2 2 20 8 21 3 2 22 through \top 23 2 4 0 24 2 4 through

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IV. DESCRIPTION	OF DANGEROUS WAST	ES (continued)		7	_						D. PROCESSES		
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⁷ through			Ш				1	1 1					
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Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 wastes to list. I.D. NUMBER (entered from page 1) WA7890008967 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE (enter N DANGEROUS B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES 2. PROCESS DESCRIPTION (If a code is not entered in D(1)) (enter code) codel |F|0|2|8 Storage-Container (Continued) 0001 2 3 lthrough 2 |U|0|1 5 01 through u o 3 9 |U|0|4|1 through ulols 10 U 0 5 12 through 6 13 ulol 4 6 0 6 15 through 9 16 0 9 17 0 18 through 19 0 3 1 20 0|5 U I 1 1 21 through 22 U | 1 7 23 6 24 through 25 1 9 4 26 CONTINUE ON REVERSE

ECL30 - 271 - ECY 030-31 Form 3

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Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 wastes to list. I.D. NUMBER (entered from page 1) WA7890008967 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE (enter code) N DANGEROUS O WASTE NO. 112H B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES 2. PROCESS DESCRIPTION (If a code is not entered in D(1)) lenter codel <u>\$01</u> K Storage-Container (Continued) U|1|9 U 2 0 0 \top through U 2 2 0 2 2 5 5 through 7 U 2 2 8 2 3 2 8 lthrough T^{T} 2 10 0 4 3 11 4 through 2 4 19 3 2 8 3 5 3 16 U 3 5 9 17 $P \mid 0$ 0 1 18 İthrough 19 |P||0 1 8 П 20 Ρ 10 2 0 21 through 22 lр 0 2 4 23 lΡ 0 2 6 24 ¦through ?5 ĺΡ 0 3 1 28

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Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

IV. DESCRIPTION OF	DANGEROUS WASTES (continu	T		T								D. PROCESSES	
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5 P 0 8 5				1	1	1	_	1	1		T		
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Page 11 of 25 Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 wastes to list. I.D. NUMBER (entered from page 1) WA7890008967 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE (enter code) N DANGEROUS O WASTE NO. B. ESTIMATED ANNUAL QUANTITY OF WASTE 2. PROCESS DESCRIPTION (If a code is not entered in D(1)) 1. PROCESS CODES lenteri (enter code) P 1 1 8 Storage-Container (Continued) through 2 Ш 2 3 P 1 3 Included With Above 5 77 6 8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 5 د 26

Continued from the front,

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODE	S FROM SECTION D(1) ON PAGE 3.	
(D001 through D043), state listed waste from nonspeci is no mechanism in place t than F001 through F005. He management will allow for "P," and other "F" dangero 218-E-12B Burial Ground co (state-only D008). Mixed	n the LLBG will consist of toxicity -only waste (WTO1, WTO2, WPO1, WPO2 fic sources (FOO1 through FOO5 and o treat collected leachate with lis owever, regulatorily acceptable alt the disposal of other listed waste us waste numbers. The reactor compontain shielding constructed of metawaste could consist of up to 25 per ate as waste management needs dicta	, WPO3, and WOO1), and FO39). Currently there ted waste numbers other ernatives for leachate that include all "U," artments in the lead cent debris; however,
(D004 through D043), state	the LLBG will consist of toxicity c -only waste (WTOl, WTO2, WPO1, WPO2 fic sources (FOO1 through FOO5 and LLBG include all "U" and "P" danger	, WPO3, and WOO1), and FO28). Other waste
V. FACILITY DRAWING Refer to attached drawing(s).		
All existing fealities must include in the space provided on p VI. PHOTOGRAPHS Refer to attached photographi	age 5 a scale drawing of the facility (see instructions for more det a).	» Д.
	ord-level) that clearly defineste all existing structures; existing atom uctions for more detail.	age, treatment and disposal areas; and
	on is provided on the attached drawing(s) and photograph	
LATITUDE (degrees, minutes, à second	LONGITUDE Ideares	s. minutes. & seconds)
<u> </u>]] [] [] [
VIII. FACILITY OWNER		
X A. If the facility owner is also the facility operator as lists	d in Section VII on Form 1, "General Information", place an "X" in	the box to the left and skip to Section iX
below.		·
B. If the facility owner is not the facility operator as fiete	s in Section VII on Form 1, complete the following Name:	
1. NAME OF F	ACILITY'S LEGAL OWNER	2. PHONE NO. (area code a no.)
<u> </u>		
3, STREET OR P.O. BOX	4. CITY OR TOWN	6. ST. 6. ZIP CODE
X. OWNER CERTIFICATION .		
serbity under penelty of law that I have personally examined quiny of those individuals immediately responsible for obtain ere are significant penalties for submitting false information.	and am lamiliar with the information submitted in this and all atterns the information, I believe that the submitted information is true including the possibility of fine and imprisonment.	ched documents, and that based on my , accurate, and complete. I am ewere thet
IAME <i>iprint or type)</i> ohn D. Vagoner, Manager	SIGNATURE	DATE SIGNED
S. Department of Energy	(du l le rease	7/4/97
ichland Operations Office OPERATOR CERTIFICATION	Com H. Wagon	
	of d are families with the information submitted in this and all attecting the information, I believe that the submitted information is true, including the possibility of line and imprisonment.	hed documents, and that based on my , accurate, and complete. I am aware that
AME (print or type)	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		
SECULATION MOTE		

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

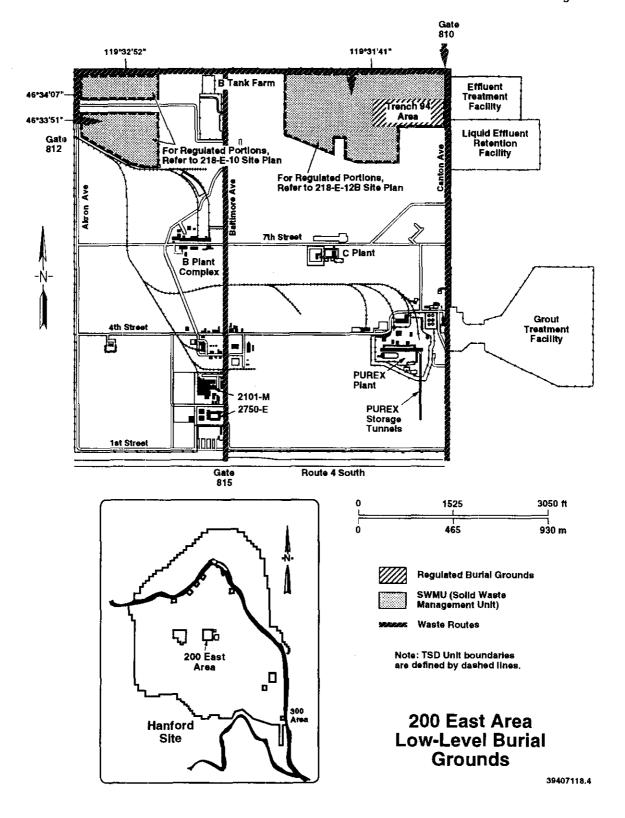
Mér/Operator

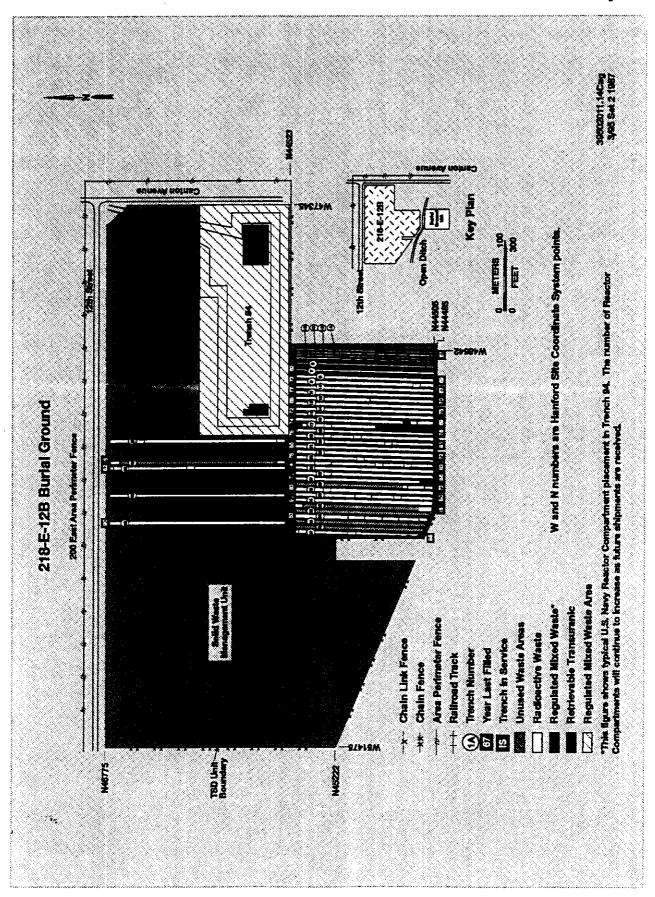
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office 3/4/97

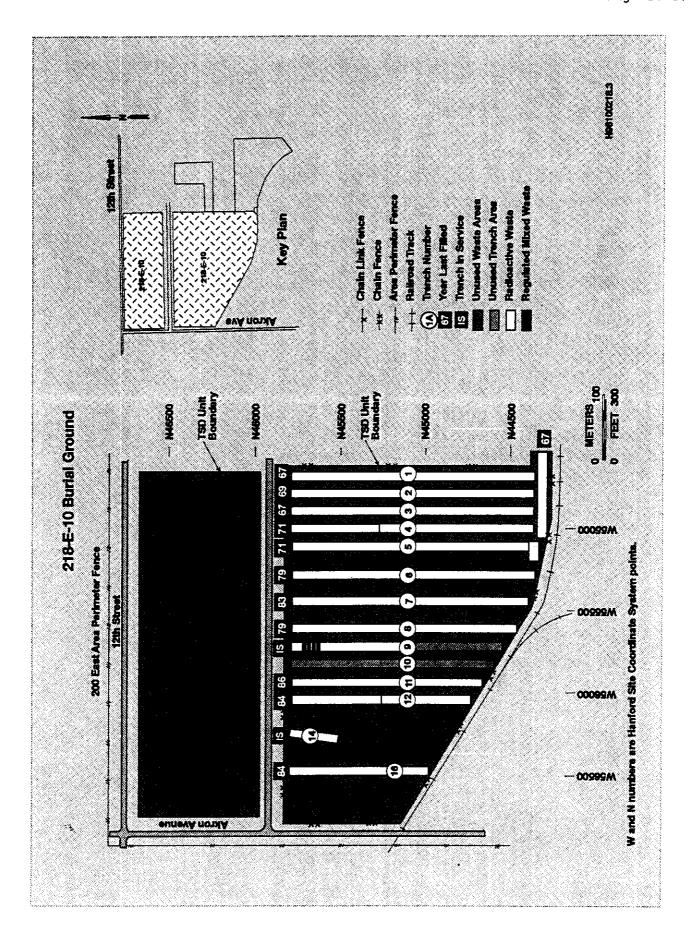
H. J. Hatch,

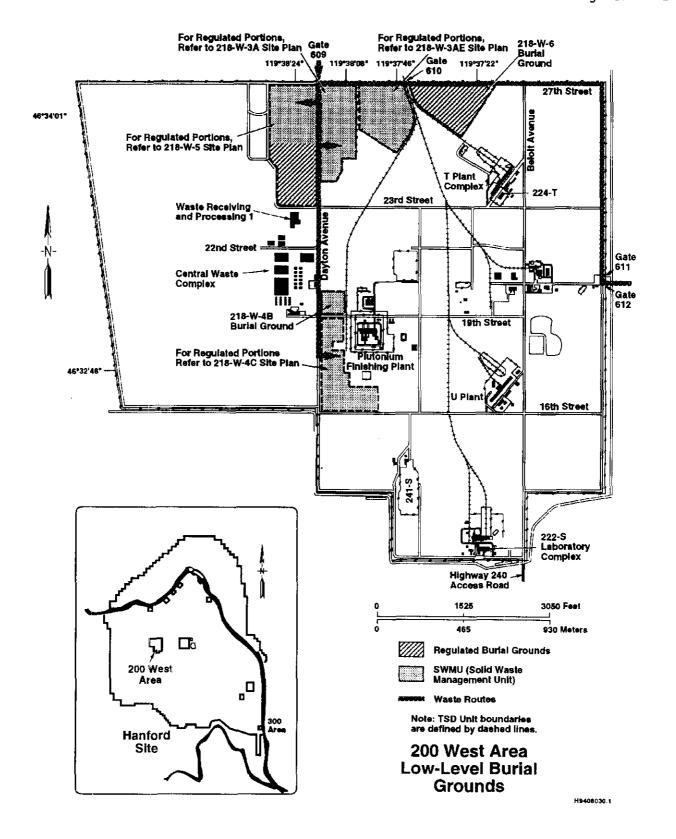
President and Chief Executive Officer

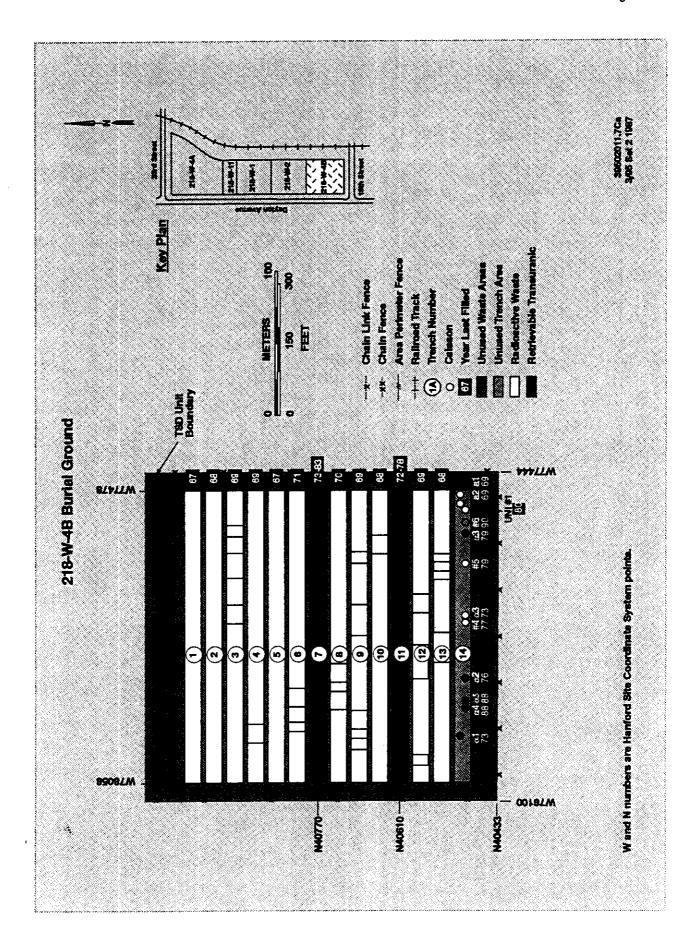
Fluor Daniel Hanford, Inc.

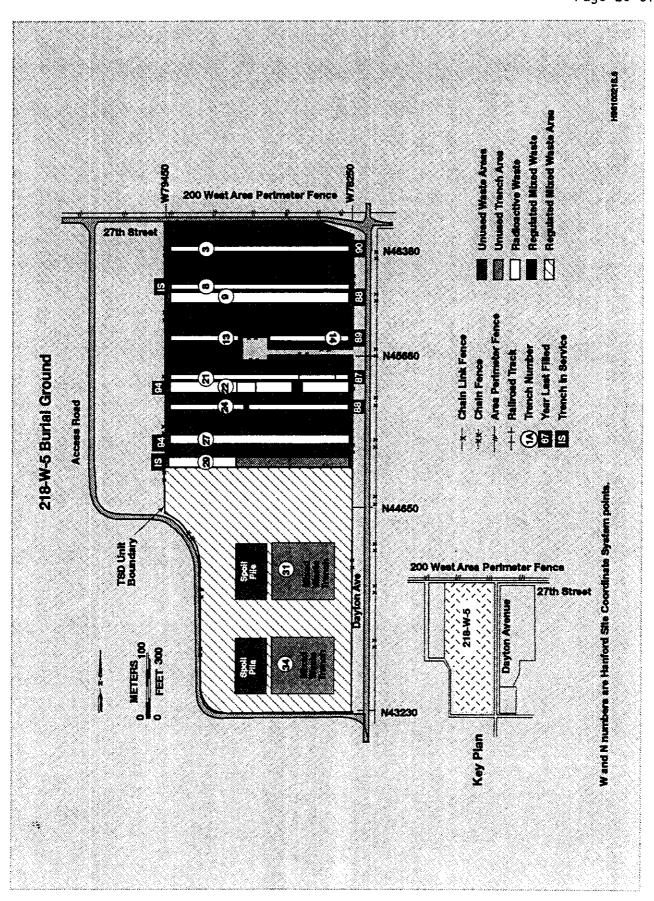


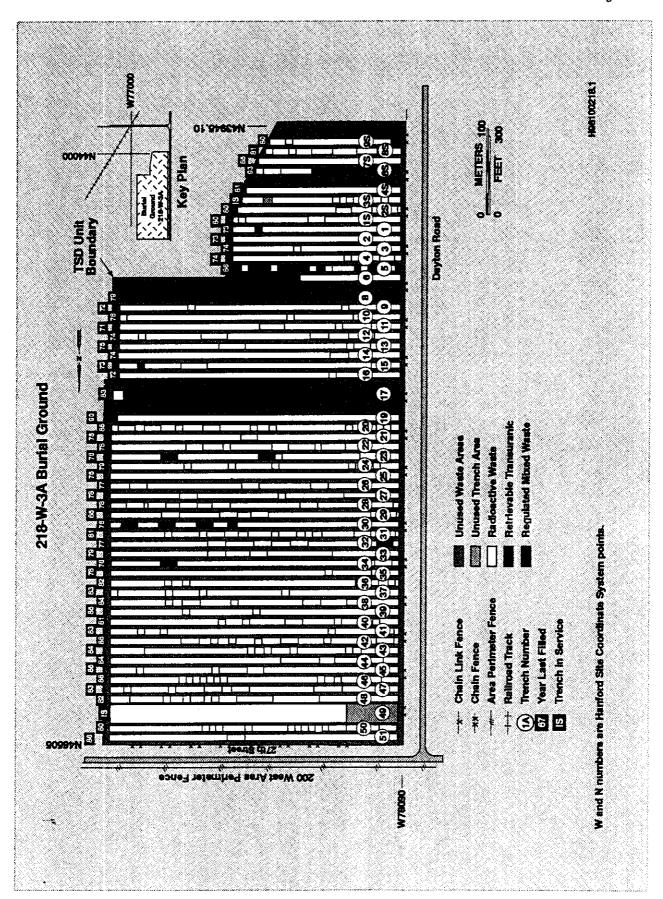


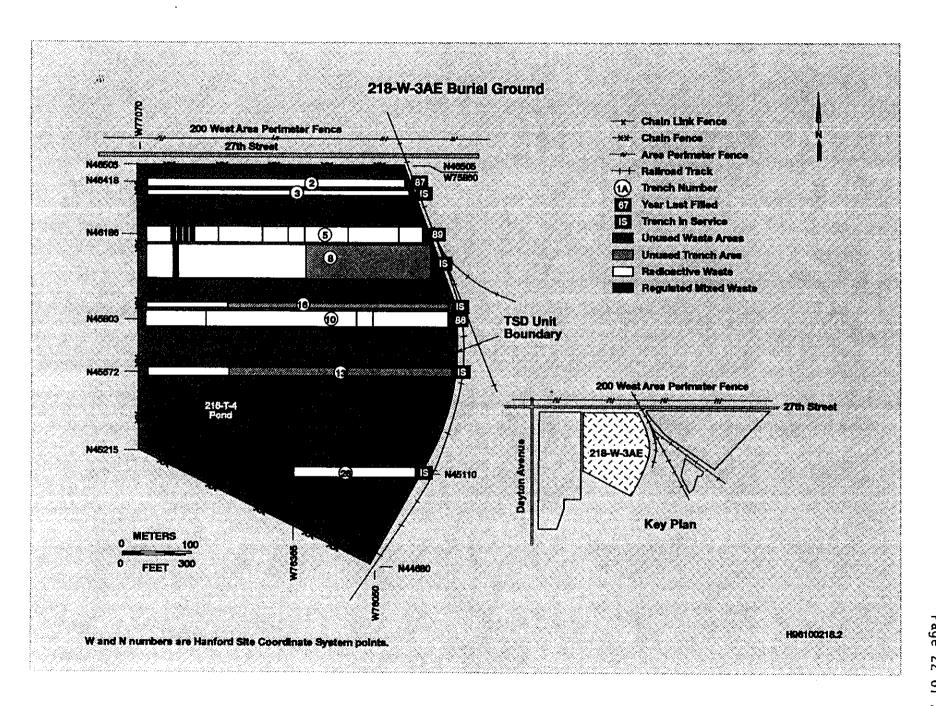


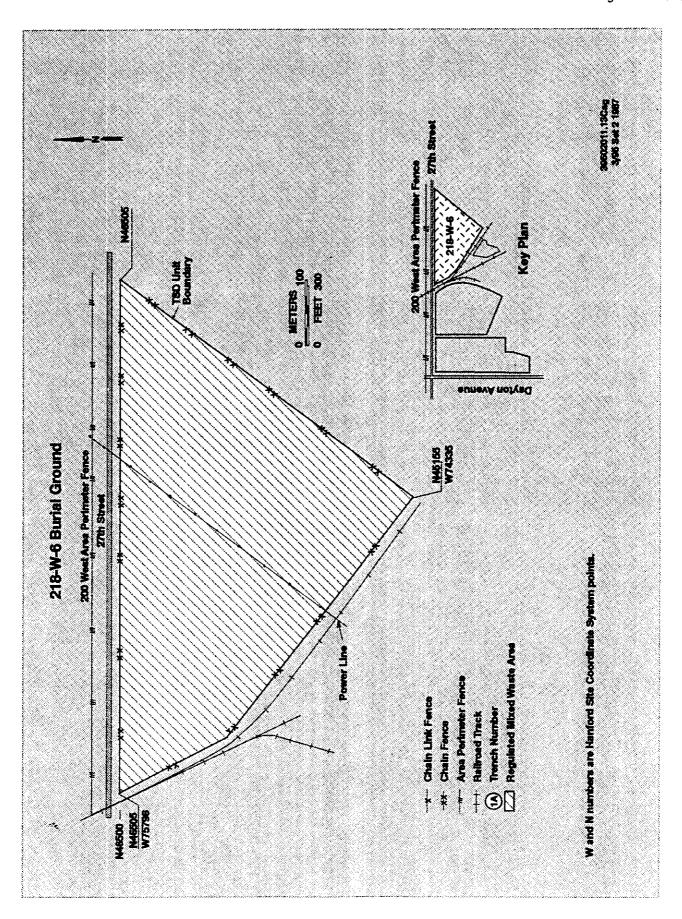




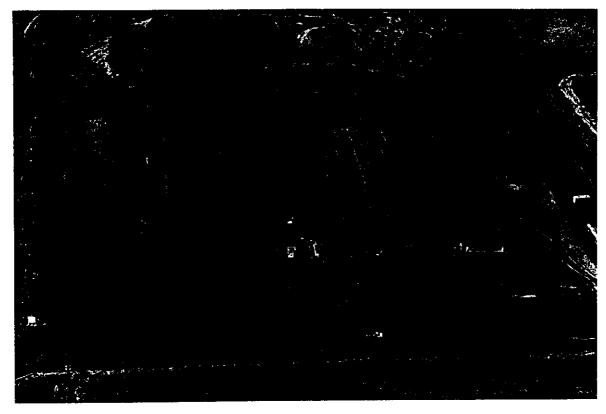








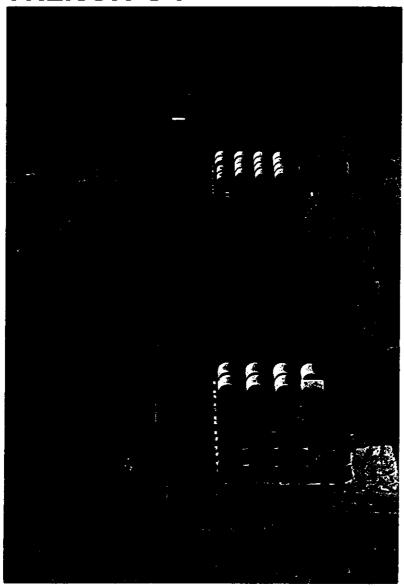
TYPICAL LINED MIXED WASTE TRENCH (TRENCH 34) 218-W-5/200 WEST AREA



46°33'36" 119°38'24"

95030469-44CN (PHOTO TAKEN 1995)

REACTOR COMPARTMENT TRENCH 94



46°33'58" 119°31'06"

95030469-5CN (PHOTO TAKEN 1995)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

CONTENTS

Revision

1.0	INTRODUCT	ION				
2.0		G STATUS FOR SPOSAL UNITS	DANGEROUS WASTE TREATMENT, STORAGE,		•	
3.0	FORM 1 -	DANGEROUS WAS	STE PERMIT APPLICATION			
4.0	FORM 3 -	DANGEROUS WAS	STE PERMIT APPLICATION			
	4.1 100	AREA FACILIT	IES			
		4.1.1.2 4.1.1.3 4.1.1.4 2 Disposal F 4.1.2.1 4.1.2.2 4.1.2.3	1324-N Surface Impoundment 105-DR Sodium Fire Facility 1706-KE Waste Treatment System 183-H Solar Evaporation Basins	3 3 3 4 7 7 3 4	•	V 0 L U M E
	4.2 200	AREA FACILITI	IES			F
	4.2.	4.2.1.1 4.2.1.3 4.2.1.4 4.2.1.5	Facilities 221-T Containment Systems Test Facility 200 West Area Ash Pit Demolition Site CLOSED 10/26/95 218-E-8 Borrow Pit Demolition Site CLOSED 10/26/95 242-A Evaporator Grout Treatment Facility	3 4 4 7 5		3
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^{♦ =} Revised this issue.

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CONTENTS (cont)

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	4.2.2.3	Hexone Storage and Treatment Facility	3 1	w
	4.2.2.4	2727-WA SRE Sodium Storage Building	_	V
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	4.2.2.6	224-T Transuranic Waste Storage and Assay	_	L
	4 - 0 - 7	Facility	6	U
	4.2.2.7	Central Waste Complex	4	M
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		216-B-63 Trench	3	i
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	4.3.1.3	304 Concretion Facility	4	M

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4.3.1		Facilities 3718-F Alkali Metal Treatment and	
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^{• =} Revised this issue.

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III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "TO4"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

S01

The 616 Nonradioactive Dangerous Waste Storage Facility (616 NRDWSF) began waste management operations in September of 1986. The 616 NRDWSF is located between the 200 East and 200 West Areas of the Hanford Facility. The 616 NRDWSF provides container storage for nonradioactive dangerous waste generated in the research and development laboratories, process operations, construction, waste site cleanup/remediation, environmental monitoring, maintenance, and transportation functions throughout the Hanford Facility and approved offsite facilities. Waste is only stored at the 616 NRDWSF until arrangements can be made to ship the waste to an offsite treatment, storage, and/or disposal facility. The 616 NRDWSF stores nonradioactive dangerous waste in containers that meet U.S. Department of Transportation or equivalent requirements.

The maximum process design capacity for container storage at the 616 NRDWSF is 108,395 liters (28,635 gallons).

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER Enter the four digit number from Chapter 173-303 WAC for each listed dangerous weste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	COD
POUNDS		KLOGRAMS	K

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the weste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section (i) to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that passess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, end/or dispose of the waste.
- 2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other Dangsrous Weste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tenning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of such waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposed will be in a landfill.

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IV. DE	SCRIP	TION	OF DANGEROUS WASTES (continu		Т					·····			D. PROCESSES		
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Page 5 of 14 Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 westes to list. I.D. NUMBER (entered from page 1) WA7890008987 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE (enter code) N DANGEROUS O WASTE NO. B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES 2. PROCESS DESCRIPTION (If a code is not entered in D(1)) (enter code) P 0 6 0 500 Storage-Container (Cont.) 2 P 0 6 2 3 through Ρ 0 7 8 P 0 8 1 P 0 8 2 P 0 8 Т ÌР 8 | 5 0 ĺΡ lo | 8 | 7 10 Ρ 8 | 8 | 0 | 11 0 8 9 P 9 2 12 10 through 13 9 р 0 9 15 0 1 through 17 P 1 1 6 18 8 1 1 through 20 Р 1 2 3 0 0 1 22 0 0 2 1,000 23 0 0 3 1,000 24 0 0 4 500 25 through 28

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¹⁵ U 0 5 0	*		'	<u> </u>	⊥'	1							
¹⁶ U 0 5 1	2,000		<u>'</u>	<u> </u>		!							
¹⁷ U 0 5 2	500						1 1	' '					
¹⁸ U 0 5 3			<u>'</u>		<u> </u>	!	1 1						
¹⁹ U 0 5 5				<u> </u>		, 	 						
20 through				L.			1 1	1 1					
²¹ U 0 6 4				'				1 1					
²² U 0 6 6							<u> </u>						
23 through													
²⁴ U 0 9 9						_							
²⁶ U 1 0 1			' 				1 1	1 1					
²⁸ U 1 0 2	<u> </u>	Y		Y'			11						
EC! 20 - 221	ECV 030-31 Form 3				PARF		OF 5		CONTINUE ON DEVEDSE				

ECL30 - 271 - ECY 030-31 Form 3

NOTE:	Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 westes to list. I.D. NUMBER (entered from page 1)													
WA		0 0 0 8 9 8 7												
IV. D	ESCRIPTION	OF DANGEROUS WASTES (continu	ed)					D. PROCESSES						
7-2E	A. ANGEROUS VASTE NO. Venter codel	8. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)		1. PROCE	SS CODES	3	2. PROCESS DESCRIPTION (If a code is not entered in D(1))						
	103	500	K	\$01 II	11	1 1	1 1	Storage-Container (Cont.)						
	1 0 5				 	177	1 1							
3 t	hrough		1111		1 1	7.7								
4 (1 3 2	<u> </u>			 									
5 [1 3 3	2,000			' '									
6 [1 3 4	1,000			, ,	1 1								
7 (1 3 5	500		' '			' '							
8 t	hrough			1 1		1 1	1 1							
9 (1 3 8				1 1		1 1							
10 (1 4 0			1 1	1-1	- T - T - T								
11 t	hrough	-		I I		1 1	1)							
12 U	1 4 4	Y .		717	1 1 1		1 1							
13 U	1 4 5	1,000			1 1	77								
14 U	1 4 6	500				T	T							
15 t	hrough			7	1-1		1 1							
18 U	150	T		11	1		1 1							
17 U	+ + + + + +	3,000		1			1 1							
18 U	1 5 2	500		1	1 1		11							
19 U	1 5 3	500			11	T	ΙT							
20 U	1 5 4	1,000		11		- I I	1-1-							
21 U	1 5 5	500					11							
22 t	hrough				1	11	П							
23 U	1 7 4				1	11	TT							
24 U	1 7 6			1 1	T [
26 t	hrough			111	T		T" I							
²⁶ U	194	Y	Y	H I	165.2			Y						

Page 8 of 14 Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 wastes to list. I.D. NUMBER (entered from page 1) W A 7 8 9 0 0 0 8 8 6 7 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE N DANGEROUS O WASTE NO. 1-2E B. ESTIMATED ANNUAL QUANTITY OF WASTE 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) 1. PROCESS CODES (enter (enter code) 501 K Storage-Container (Cont.) 9 500 6 7 2 U I I 9 2 0 0 through 5 2 U 2 2 2 2 3 1,500 1,500 7 2 5 2 lυ 2 2 6 3,000 U 2 2 7 500 2 2 8 1,000 U |U|2| 3 2 500 500 2 3 3 13 3 500 2 U 5 14 U |2|3| 1,000 ТТ 15 U 2 3 6 1,000 18 2 3 7 1,000 17 3 8 500 U 2 18 U 3 2 9 1,000 19 4 0 5,000 U 2 20 3 500 U 2 4 21 U 2 4 4 1,000 1 1 22 5 500 U 2 4 ТТ 1-1 23 through 24 U 2 4 9 25 TI 26

Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 westes to list.

I.D.	NOTE: Photocopy this page before completing if you have more than 26 wastes to list. I.D. NUMBER (entered from page 1)															
W	A	7	8	9	0 0 0 8 9 6 7											
IV.	DE	SCR	PT	ION	OF DANGEROUS WASTES (continu	ed}		Γ								
7-2E	PA (e/	A NGE AST			8. ESTIMATED ANNUAL QUANTITY OF WASTE	(*	UNIT MEA- URE nter ode)	i		1. P	ROCE	SS Co	ODE	5		2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	U	3	2	8	500		ĸ	Š)1	T	T	T	T	T	1	Storage-Container (Cont.)
2	T								1		1	T	T		1	Y
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4								1	1	1	T "		Т		ī	
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28					CV 020.21 Farm 3		$\perp \! \! \perp$			A ISE			, E E	<u></u>		

Continued from the mont.		
IV. DESCRIPTION OF DANGEROUS WASTES (continued)		
E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODE	S FROM SECTION D(1) ON PAGE 3.	
•• •		
· ·		
	All Alamana of manuadianative dev	annous wasta
The 616 NKDWSF is used for	the storage of nonradioactive dar	igerous waste
generated on the Hanford F	acility and approved offsite facil	ities. The waste
generated on the hanters in	ste, waste from nonspecific source	se characteristic
Could consist of listed was	see, waste from nonspective source	ss, character isere
waste, and state-only wast	e.	
1		
		· · · · · · · · · · · · · · · · · · ·
V. FACILITY DRAWING Refer to attached drawing(s).		
All existing facilities must include in the space provided on a	age 5 a scale drawing of the facility (see instructions for more o	ietali).
VI. PHOTOGRAPHS Refer to attached photograph		
All whele 4 all the amount include whether such a facility of the	-diamil that alredy deligents all evicting structures; existing of	ncens treatment and disposal areas; and
sites of future storage, treatment or disposal areas feed mat	md-levell that clearly delineate all existing structures; existing st uctions for more detail.	
	on is provided on the attached drawing(s) and photograp	
TIL INCIDIT GEOGRAPHICA		
LATITUDE (degrees, minutes, & secons	37 CONSTIGUE 1849	rees, minutes, & seconds)
	1 1 1	
VIII. FACILITY DWNER		
X A. If the facility owner is also the facility operator as list	d in Section Vil on Form 1, "General Information", place an "X"	' in the box to the left and skip to Section IX
below.		
8. If the facility owner is not the facility operator as liste	f in Section VII on Form 1, complete the following items:	
6. If the indice denies is not the facility operator as acco	, and the second	
	A CHI THE SECRET CHAIRE	
	ACILITY'S LEGAL OWNER	2. PHONE NO. (a/as code & no.)
3. STREET OR P.O. BOX	4. CITY OR TOWN	6. ST. 6. ZIP CODE
		
<u> </u>	<u> </u>	┖╼╄╼╃╼┸╼┸┉┩
		
IX. OWNER CERTIFICATION		
i certify under penalty of law that I have personally exemined	and am familiar with the information submitted in this and all at ing the information, I believe that the submitted information is to including the possibility of fine and imprisonment.	Technol Evoluments, and that based on my No. accurate, and namelete. I am aware that
there are significant penalties for submitting faise information	including the possibility of fine and imprisonment.	to a contract of the contract
	SIGNATURE / /	DATE SIGNED
NAME (print or type) John D. Vagoner, Manager	Y"	Junit groups
<u> </u>	to you w. Wag one	17/4/07
U.S. Department of Energy (Milian	Mruha. Way vou	151117/
tichland Operations Office		
X. OPERATOR CERTIFICATION.		
certify under penalty of law that I have personally examined	and am ramillar with the information aubmitted in this and all at ing the information. I believe that the exhibited information is to	Teches Eccuments, and that based on my
nque y en unuse erorreum ammente en respension for externition for externition for externition for externition	and am familiar with the information submitted in this and all at ing the information, I balieve that the submitted information is to including the possibility of line and imprisonment.	, with multiplicate, falls arroll Bist
	SIGNATURE	DATE SIGNED
NAME (print or type)		1 mails didition
		1
		ĺ

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Øwner/Operator

John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office Date

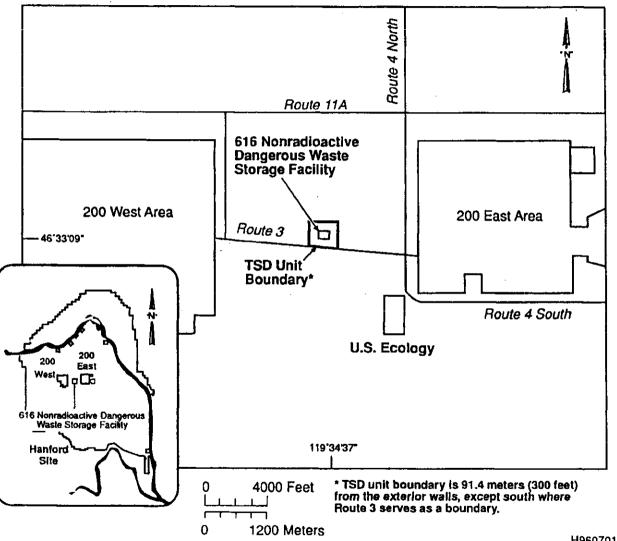
Co-operator H. J. Hatch.

President and Chief Executive Officer

Fluor Daniel Hanford, Inc.

Date

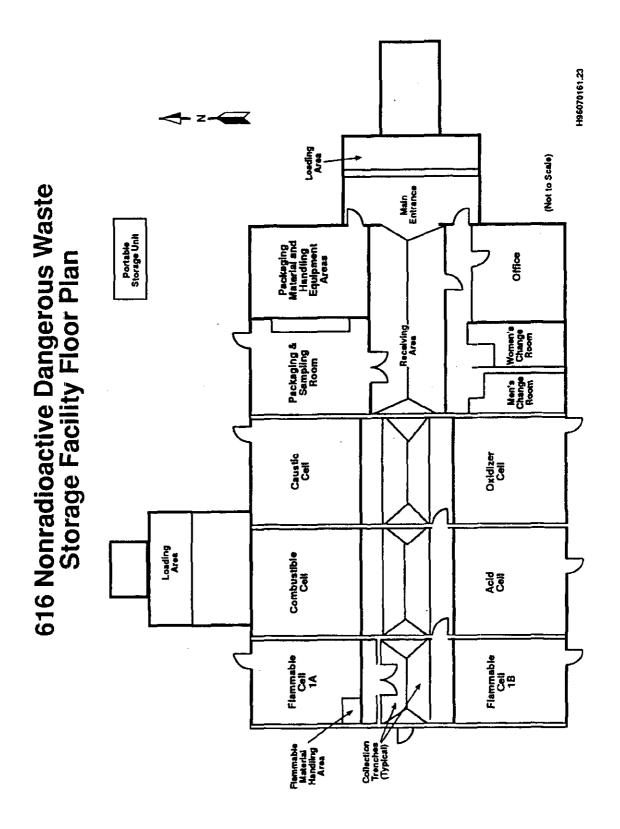
616 Nonradioactive Dangerous Waste Storage Facility Site Plan



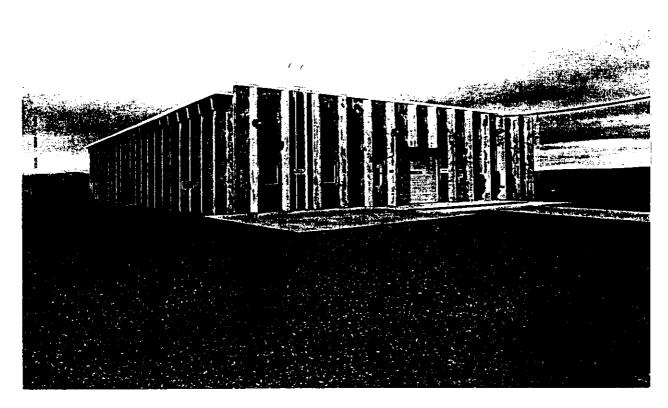
Note: To convert feet to meters, multiply by 0.3048.

To convert inches to centimeters, multiply by 2.54.

616



616 NONRADIOACTIVE DANGEROUS **WASTE STORAGE FACILITY**



46°33'09" 119°34'37"

8700742-42CN (PHOTO TAKEN 1987)